

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016562.D
 Acq On : 03 Jun 2020 12:56
 Operator : JC/SP
 Sample : L2867-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 08:23:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	269532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	433710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	434463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215573	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	155387	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	5.46	113	126268	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
50) Toluene-d8	8.70	98	542127	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.12	95	216837	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	

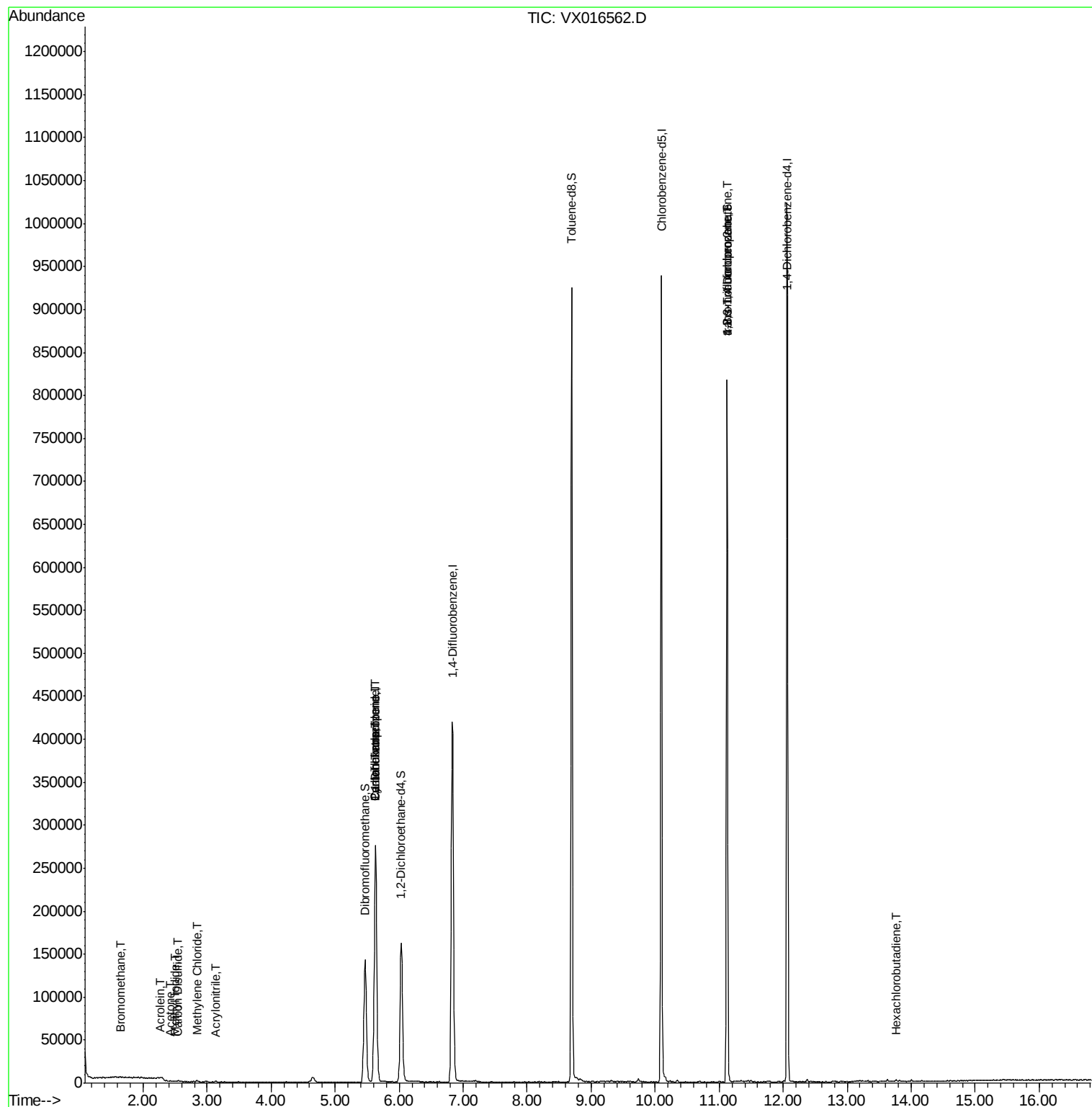
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	453	0.275	ug/l	94
10) Methyl Iodide	2.50	142	441	3.197	ug/l #	76
13) Acrolein	2.28	56	596	1.632	ug/l #	81
15) Acrylonitrile	3.12	53	425	0.242	ug/l	94
16) Acetone	2.42	43	698	0.476	ug/l #	83
17) Carbon Disulfide	2.54	76	1561	0.203	ug/l #	91
20) Methylene Chloride	2.84	84	755	0.249	ug/l #	74
31) Cyclohexane	5.62	56	4914	1.056	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	19343	4.710	ug/l #	51
38) Carbon Tetrachloride	5.63	117	25227	5.846	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	105697	22.306	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	105697	54.871	ug/l #	14
94) Hexachlorobutadiene	13.77	225	348	0.203	ug/l #	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016562.D

Acq: 03 Jun 2020 12:56

Instrument :

MSVOA_X

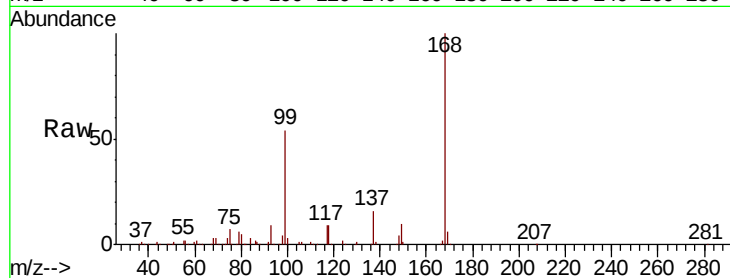
ClientSampled :

Tot Ion:168 Resp: 269532

Ion Ratio Lower Upper

168 100

99 53.6 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

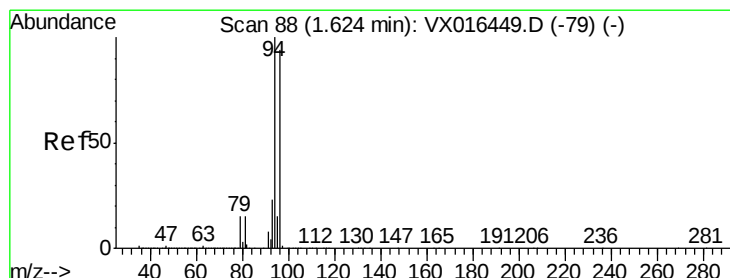
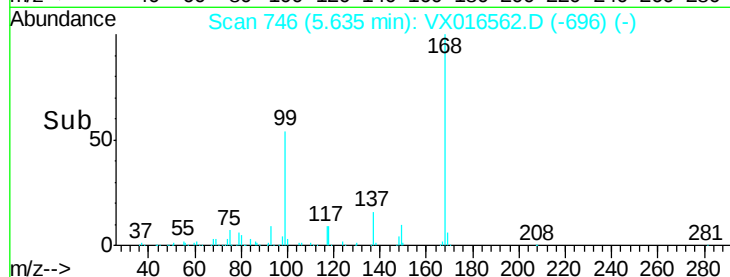
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.275 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016562.D

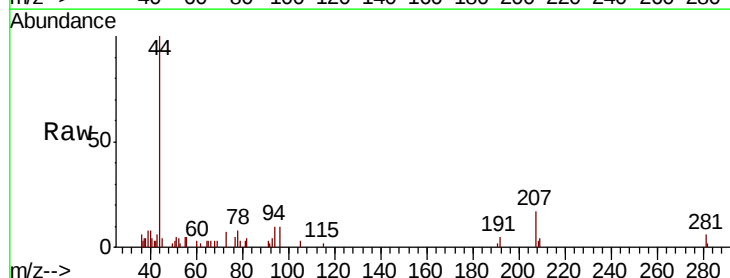
Acq: 03 Jun 2020 12:56

Tgt Ion: 94 Resp: 453

Ion Ratio Lower Upper

94 100

96 99.6 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

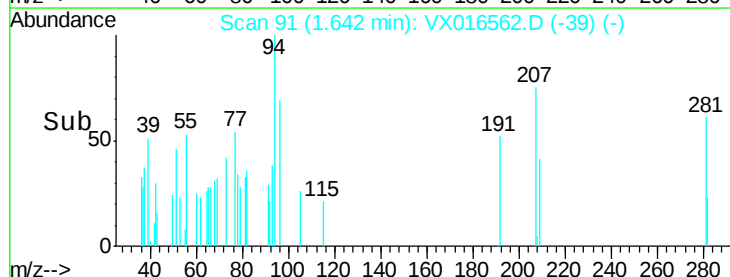
150

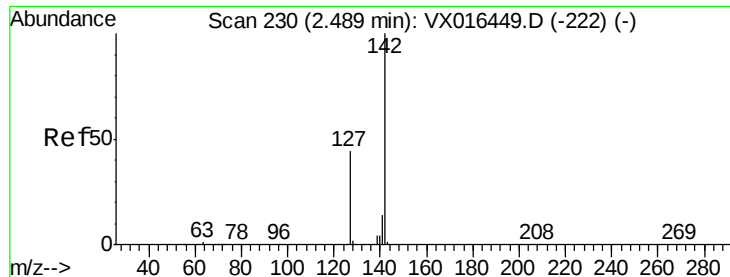
100

50

0

Time-->

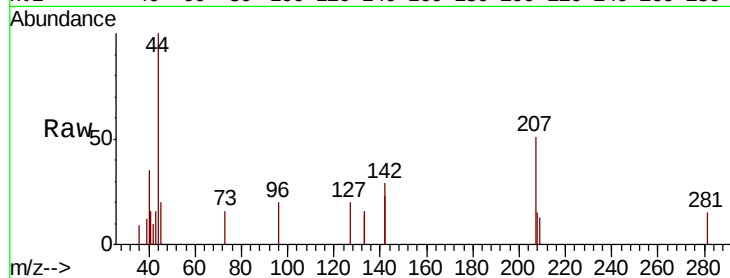




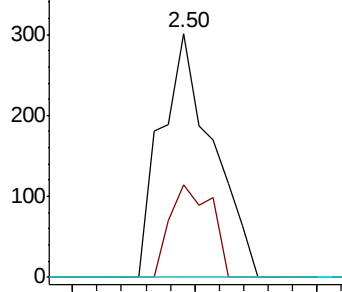
#10
Methvl Iodide
Concen: 3.197 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016562.D
Acq: 03 Jun 2020 12:56

Instrument :
MSVOA_X
ClientSampled :

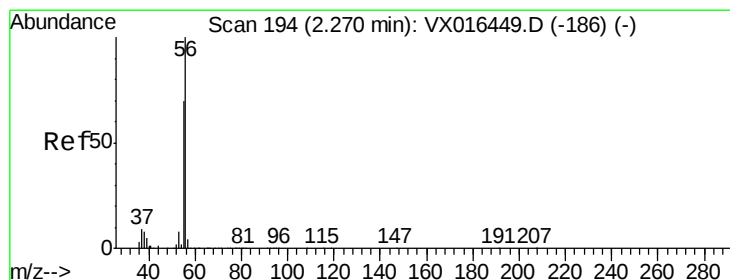
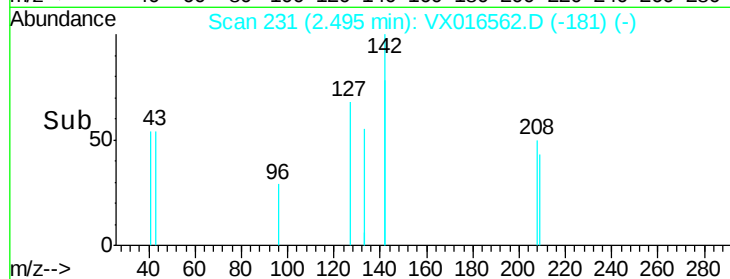
Tot Ion:142 Resp: 441
Ion Ratio Lower Upper
142 100
127 30.8 35.3 52.9#
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

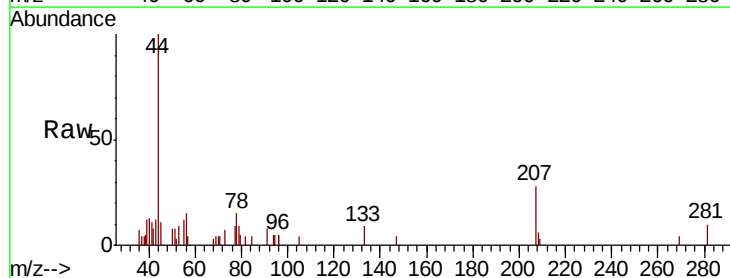


Time--> 2.45 2.50 2.55

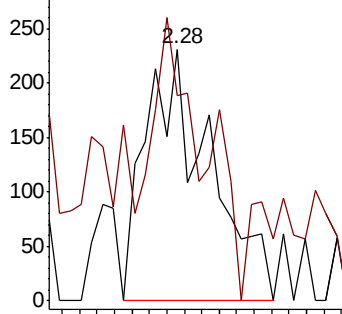


#13
Acrolein
Concen: 1.632 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016562.D
Acq: 03 Jun 2020 12:56

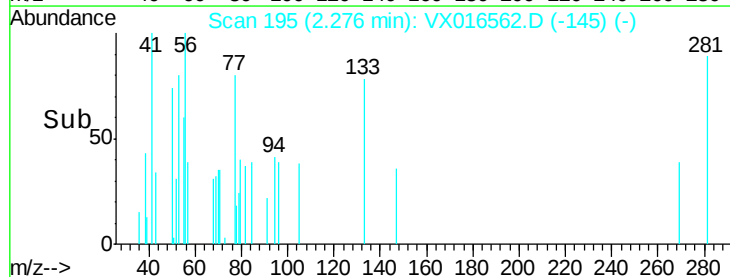
Tgt Ion: 56 Resp: 596
Ion Ratio Lower Upper
56 100
55 89.1 58.3 87.5#

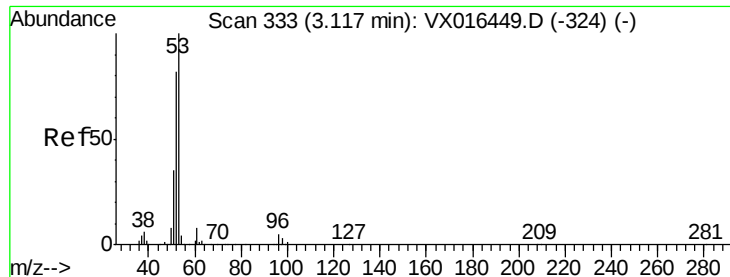


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.25 2.30 2.35





#15

Acrylonitrile

Concen: 0.242 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016562.D

Acq: 03 Jun 2020 12:56

Instrument :

MSVOA_X

ClientSampled :

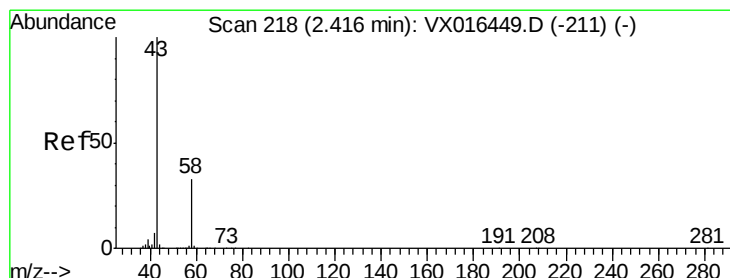
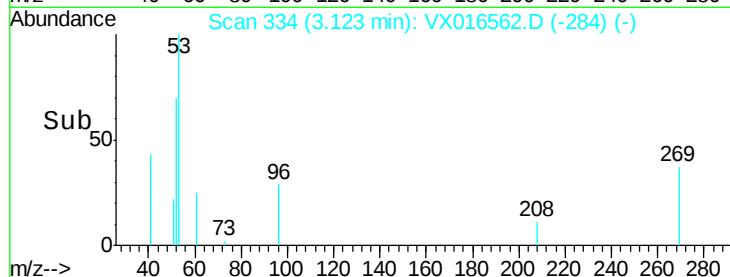
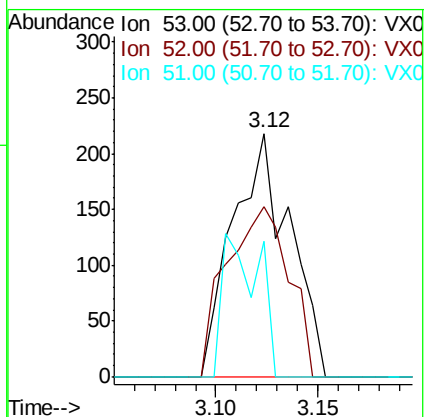
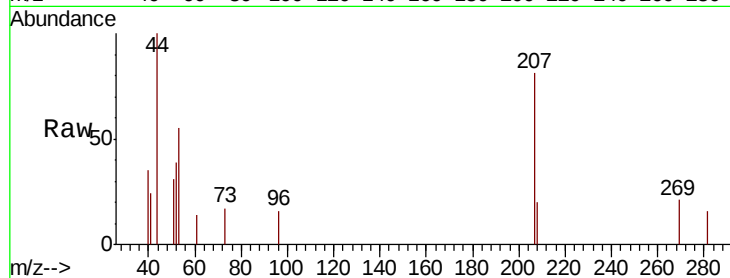
Tot Ion: 53 Resp: 425

Ion Ratio Lower Upper

53 100

52 76.2 66.7 100.1

51 36.9 28.6 43.0



#16

Acetone

Concen: 0.476 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016562.D

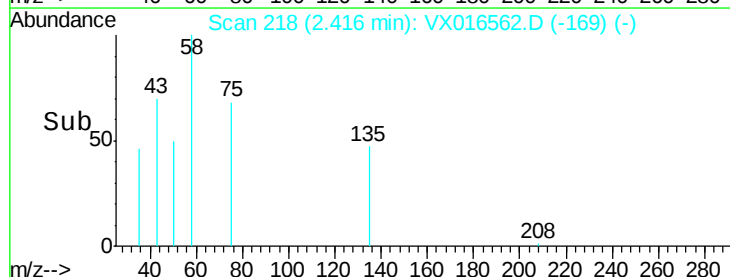
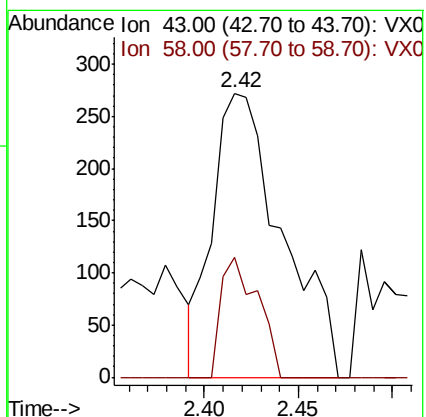
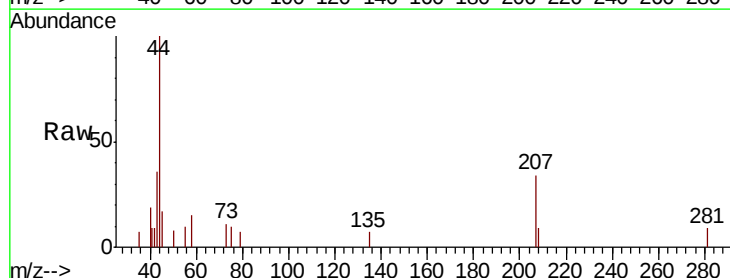
Acq: 03 Jun 2020 12:56

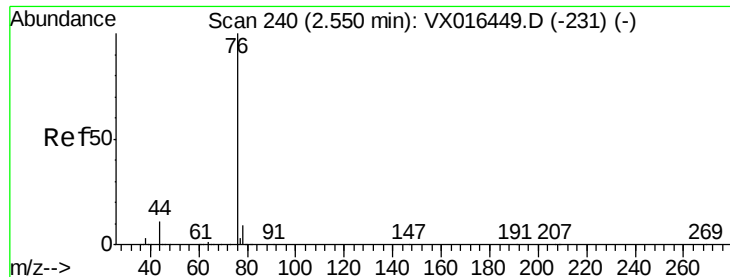
Tgt Ion: 43 Resp: 698

Ion Ratio Lower Upper

43 100

58 42.3 26.1 39.1#

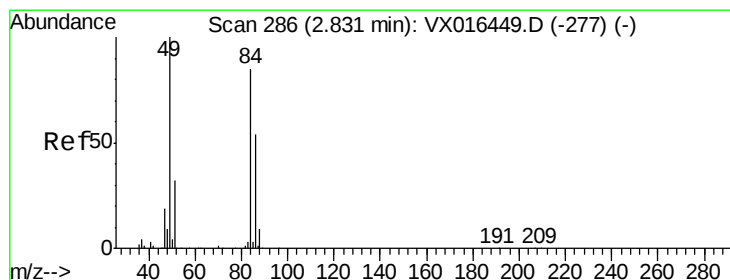
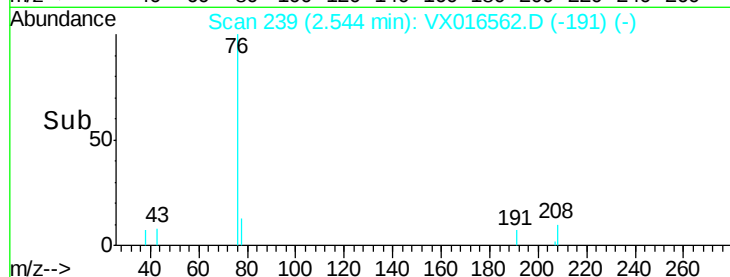
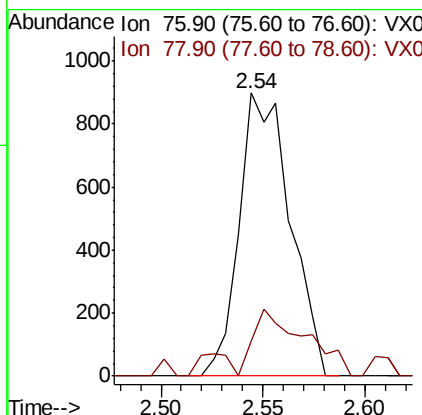
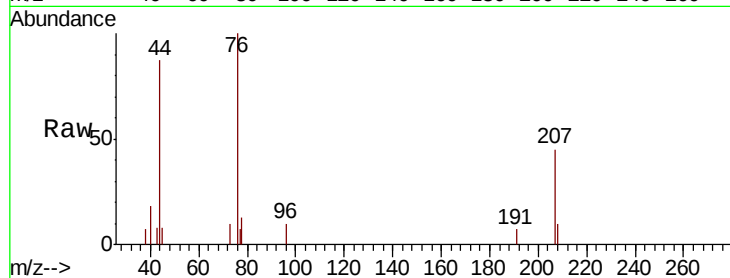




#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX016562.D
Acq: 03 Jun 2020 12:56

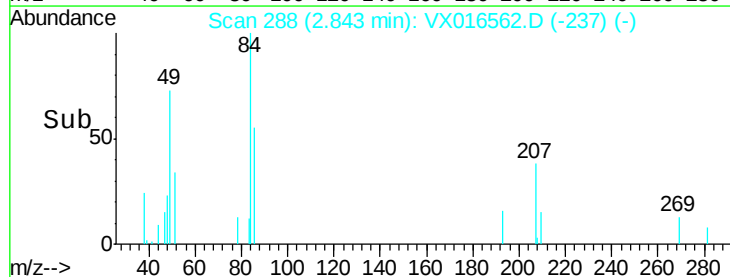
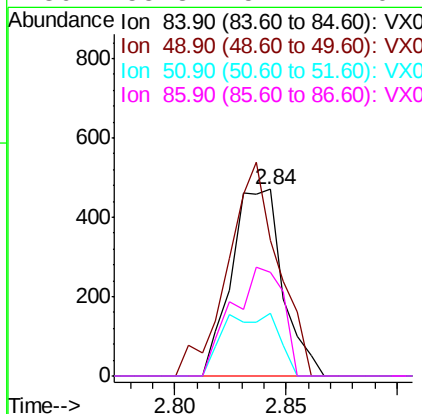
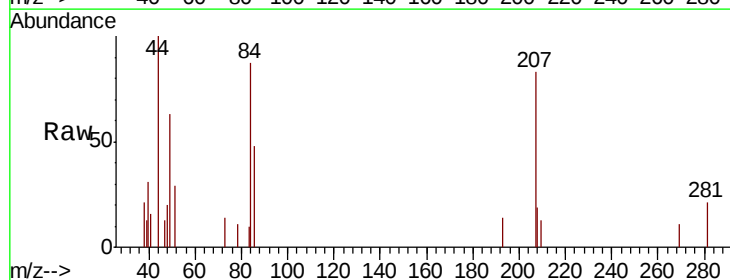
Instrument :
MSVOA_X
ClientSampled :

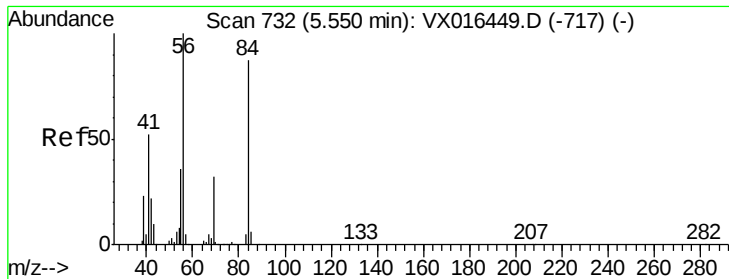
Tot Ion: 76 Resp: 1561
Ion Ratio Lower Upper
76 100
78 12.6 7.4 11.0#



#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016562.D
Acq: 03 Jun 2020 12:56

Tgt Ion: 84 Resp: 755
Ion Ratio Lower Upper
84 100
49 73.0 94.5 141.7#
51 33.8 30.2 45.4
86 55.3 51.1 76.7





#31

Cyclohexane

Concen: 1.056 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016562.D

Acq: 03 Jun 2020 12:56

Instrument :

MSVOA_X

ClientSampled :

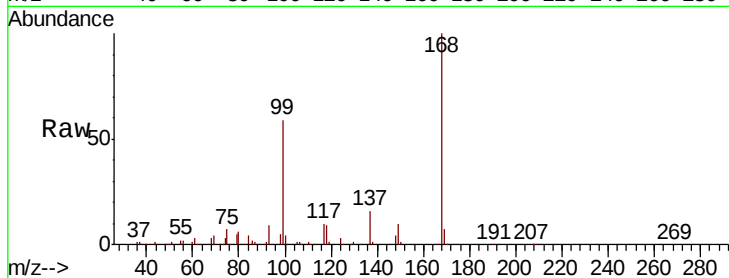
Tot Ion: 56 Resp: 4914

Ion Ratio Lower Upper

56 100

69 186.1 25.7 38.5#

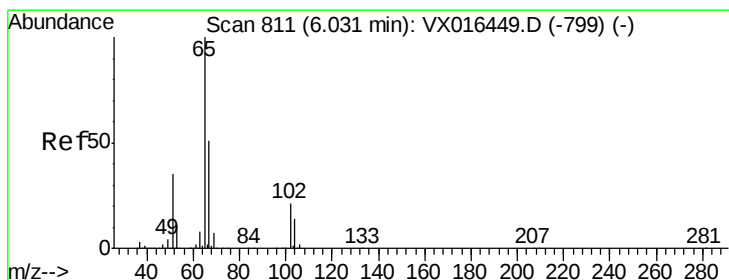
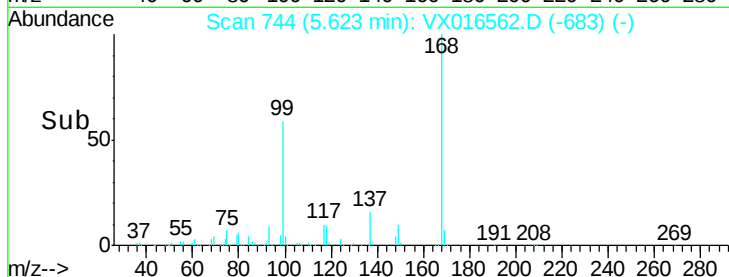
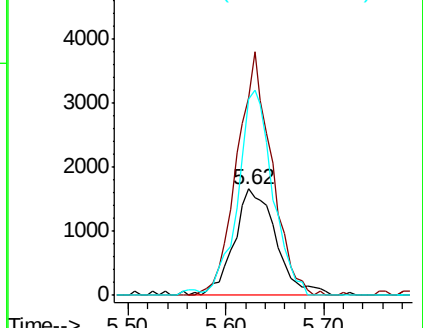
84 185.5 70.0 105.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.422 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016562.D

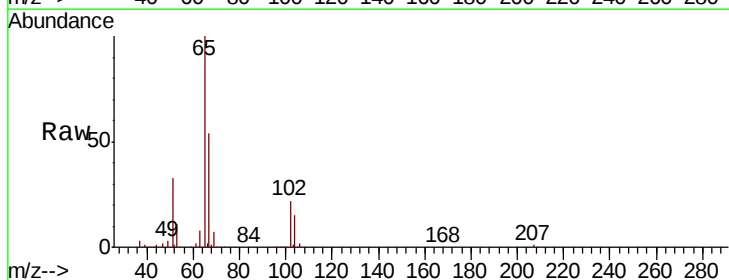
Acq: 03 Jun 2020 12:56

Tgt Ion: 65 Resp: 155387

Ion Ratio Lower Upper

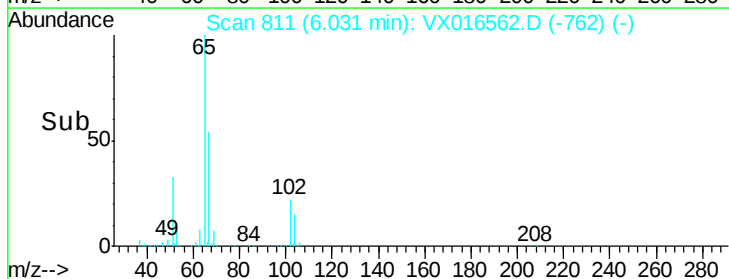
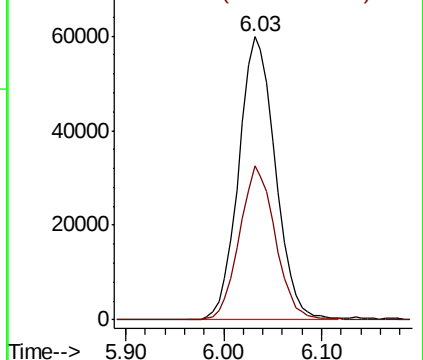
65 100

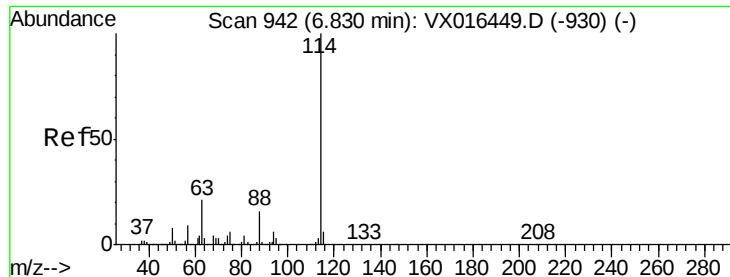
67 53.6 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

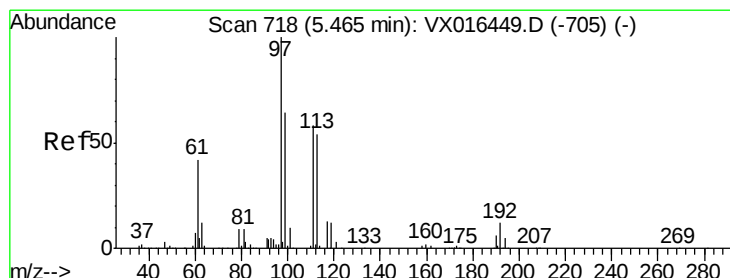
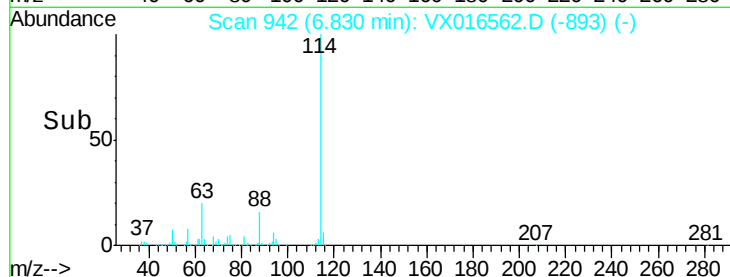
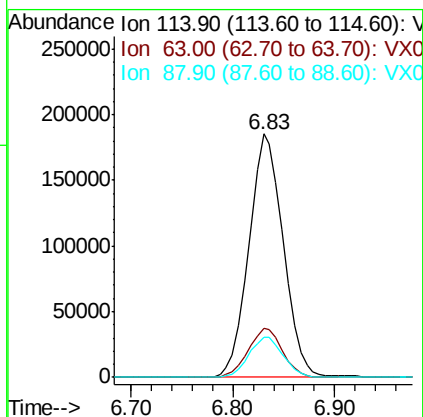
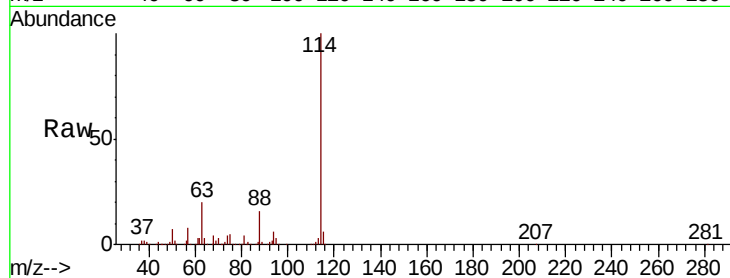




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016562.D
 Acq: 03 Jun 2020 12:56

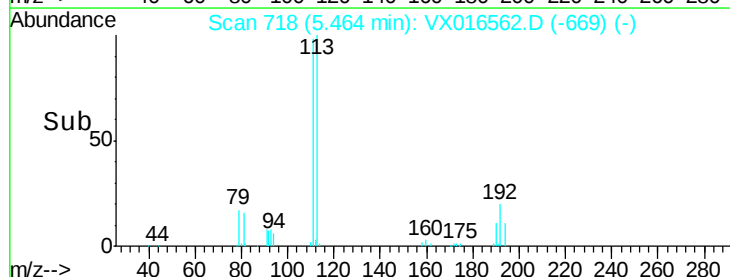
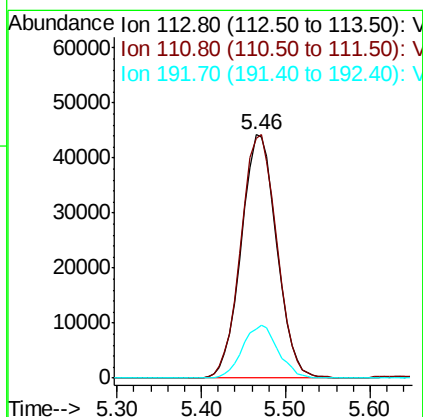
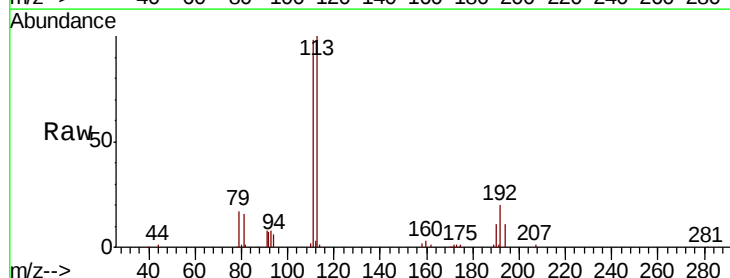
Instrument :
 MSVOA_X
 ClientSampleId :

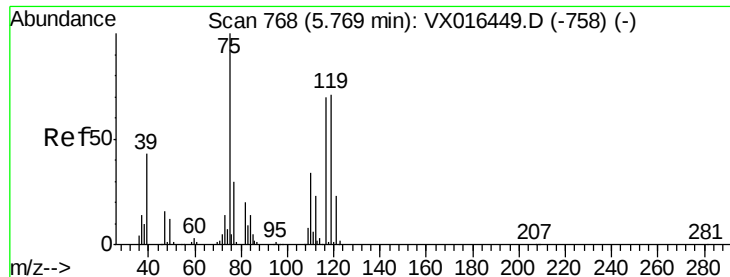
Tot Ion:114 Resp: 433710
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.6
 88 16.3 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 47.282 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016562.D
 Acq: 03 Jun 2020 12:56

Tgt Ion:113 Resp: 126268
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.0 124.6
 192 21.7 17.7 26.5

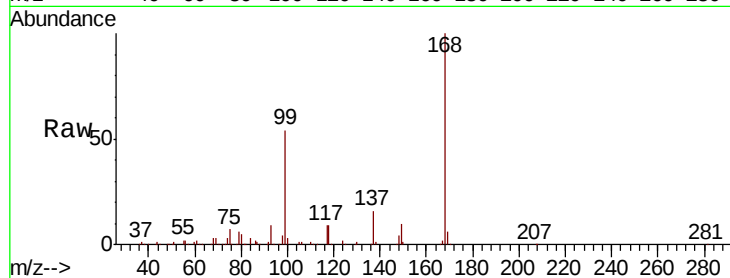




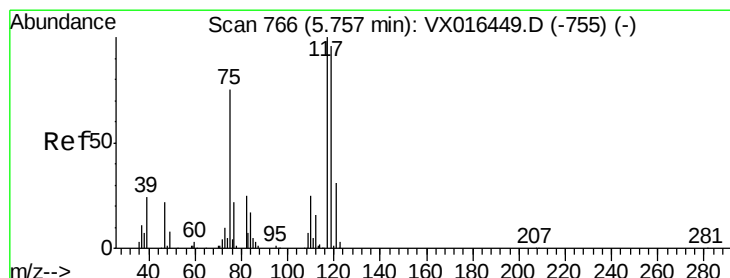
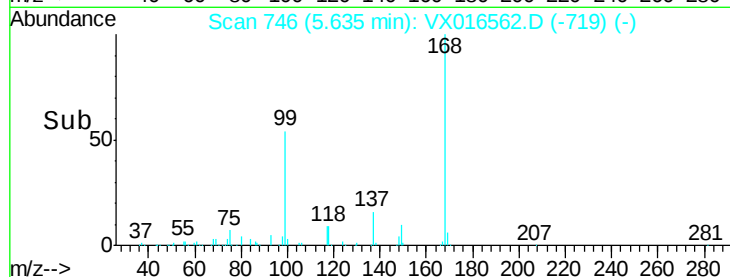
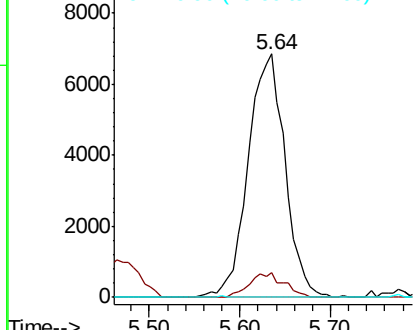
#36
 1,1-Dichloropropene
 Concen: 4.710 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016562.D
 Acq: 03 Jun 2020 12:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.4	52.3#
77	0.0	24.2	36.4#

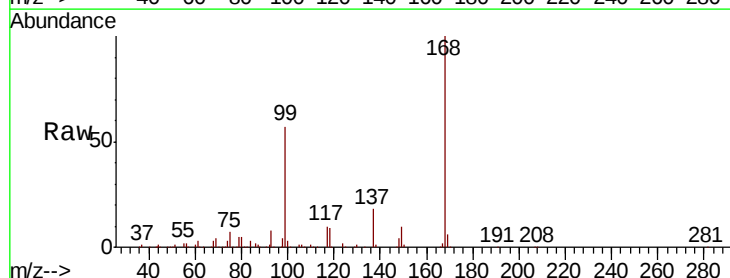


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

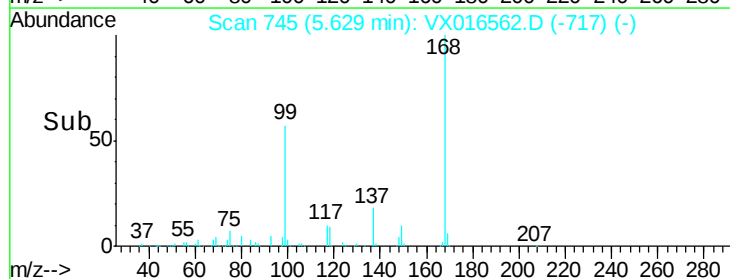
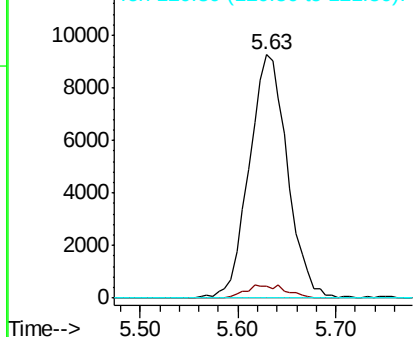


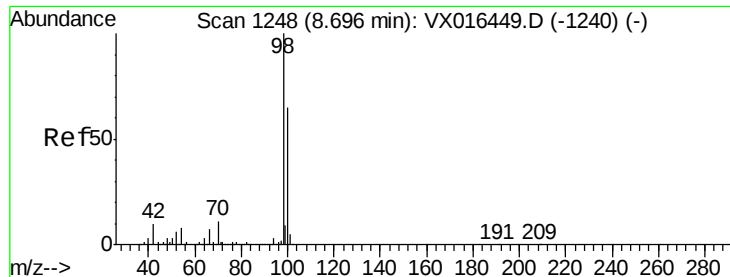
#38
 Carbon Tetrachloride
 Concen: 5.846 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016562.D
 Acq: 03 Jun 2020 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.3	114.5#
121	0.0	24.6	37.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

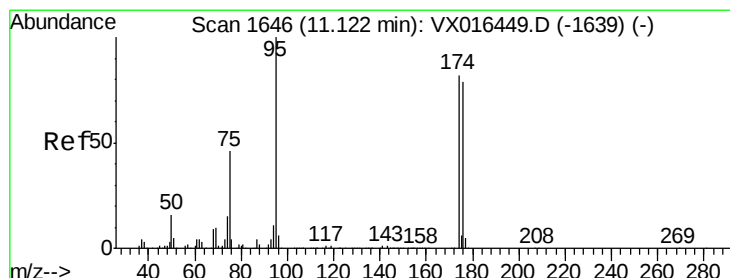
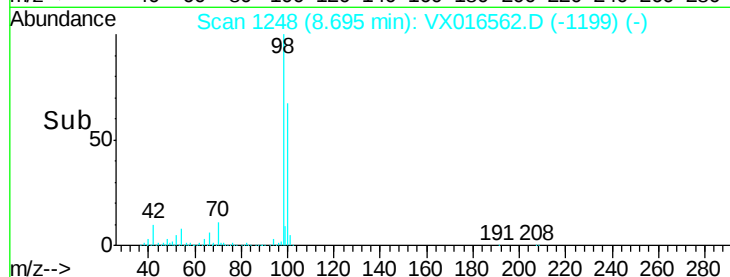
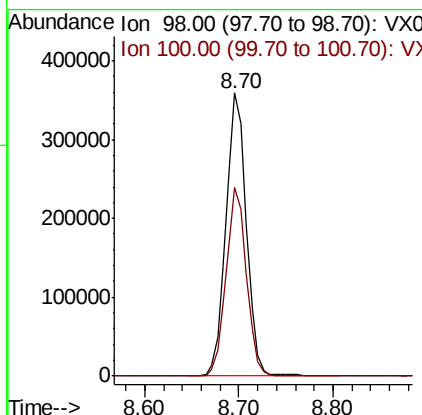
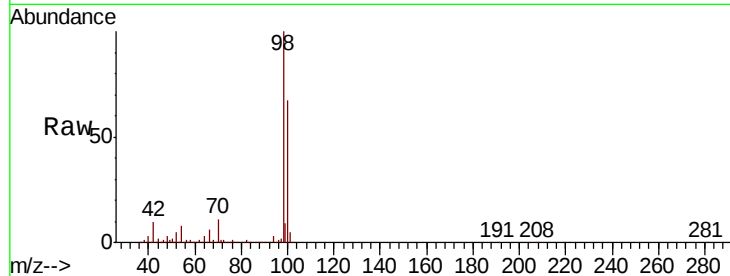




#50
Toluene-d8
Concen: 52.156 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016562.D
Acq: 03 Jun 2020 12:56

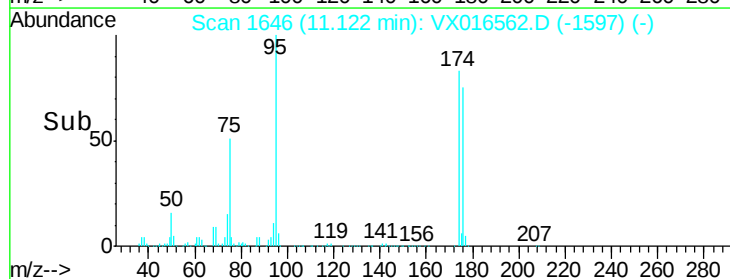
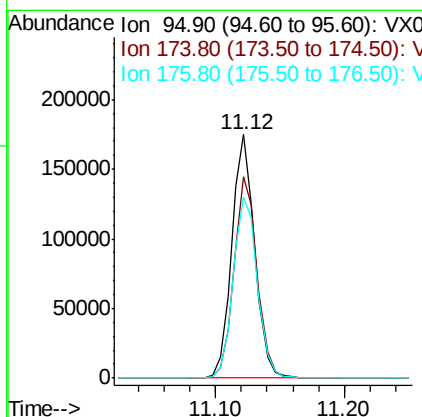
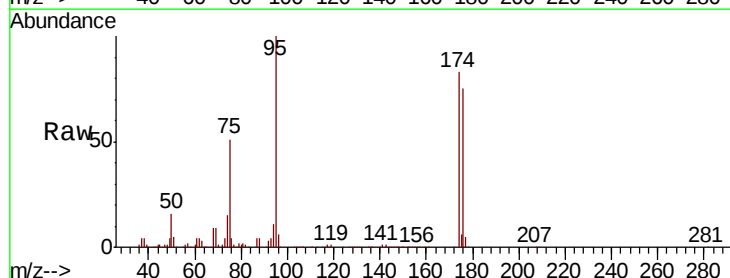
Instrument :
MSVOA_X
ClientSampleId :

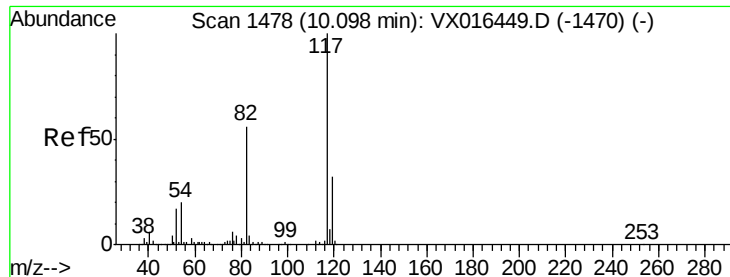
Tot Ion: 98 Resp: 542127
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 53.988 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016562.D
Acq: 03 Jun 2020 12:56

Tgt Ion: 95 Resp: 216837
Ion Ratio Lower Upper
95 100
174 83.2 0.0 163.0
176 78.3 0.0 156.8

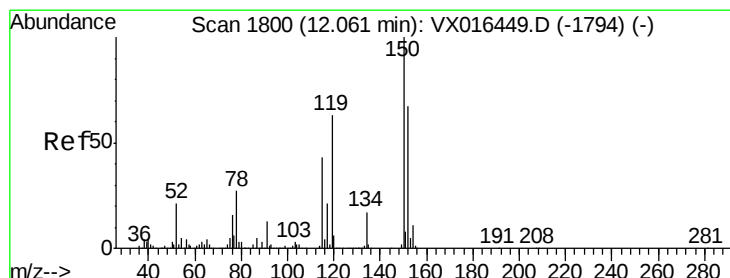
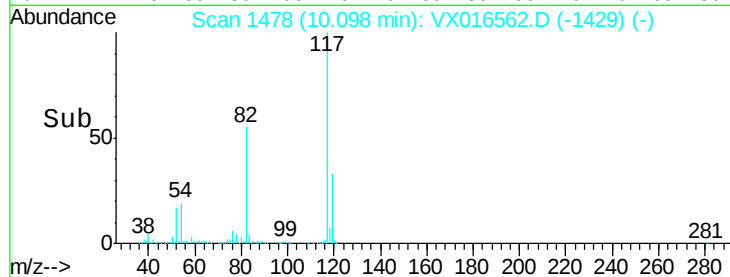
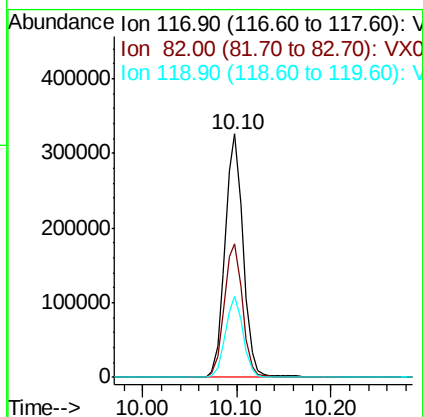
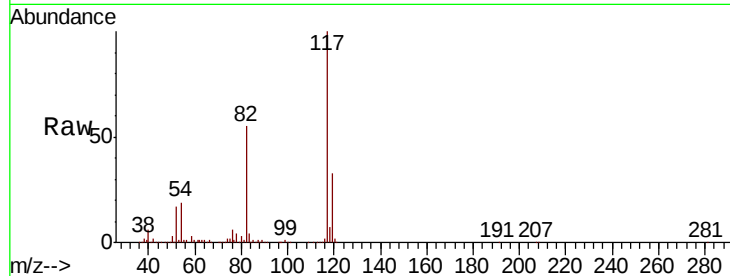




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016562.D
Acq: 03 Jun 2020 12:56

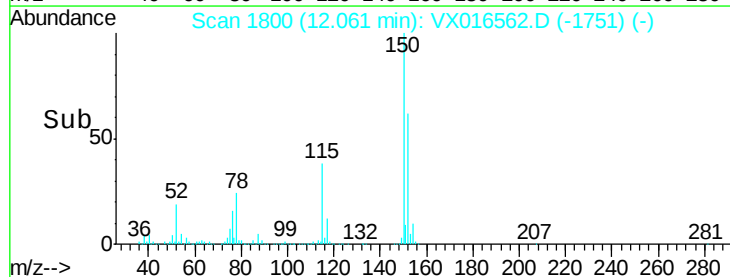
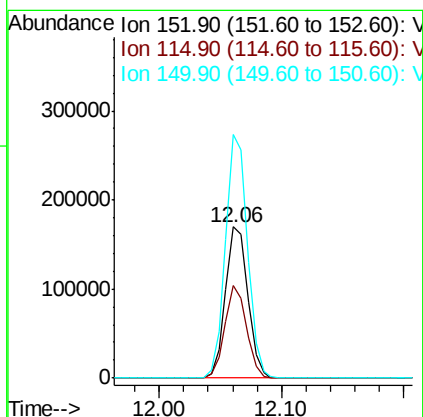
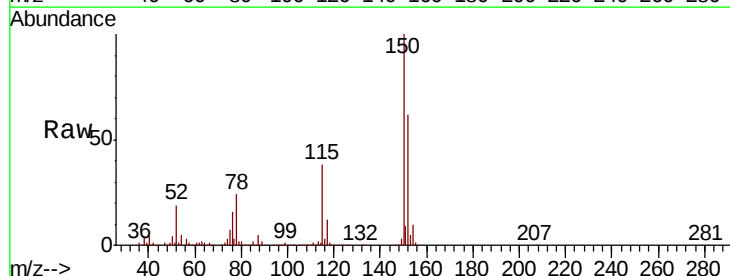
Instrument :
MSVOA_X
ClientSampleId :

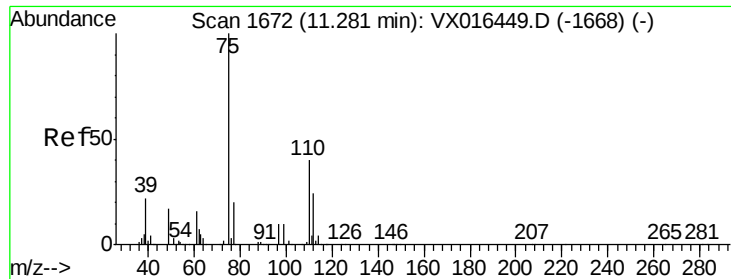
Tot Ion:117 Resp: 434463
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 33.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016562.D
Acq: 03 Jun 2020 12:56

Tgt Ion:152 Resp: 215573
Ion Ratio Lower Upper
152 100
115 59.0 39.9 119.6
150 158.0 0.0 341.0

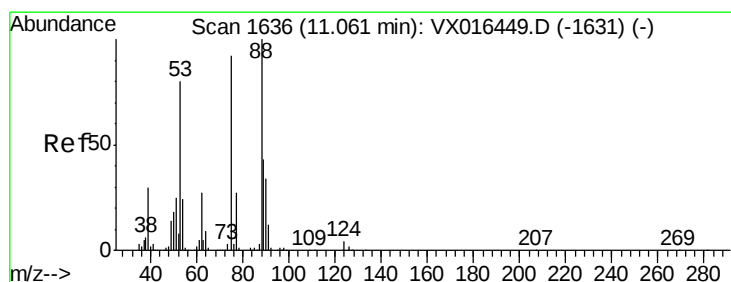
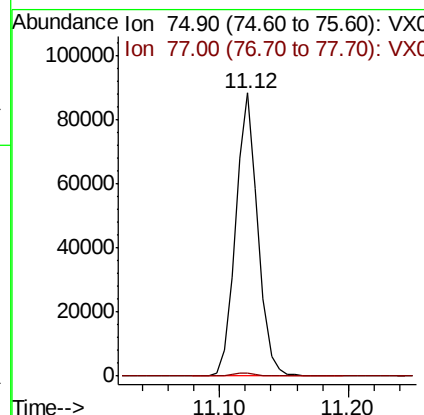
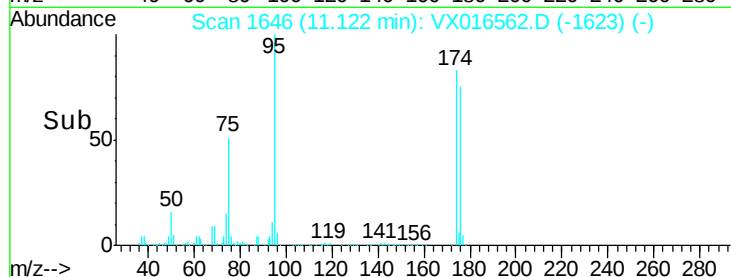
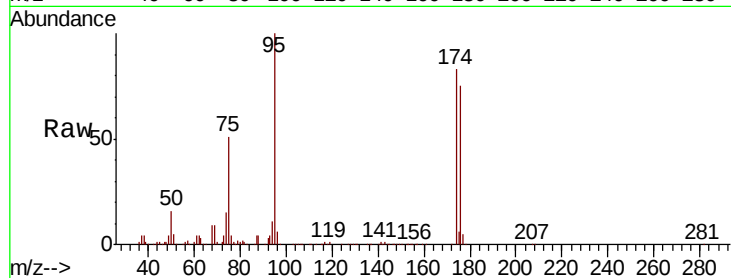




#76
 1,2,3-Trichloropropane
 Concen: 22.306 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016562.D
 Acq: 03 Jun 2020 12:56

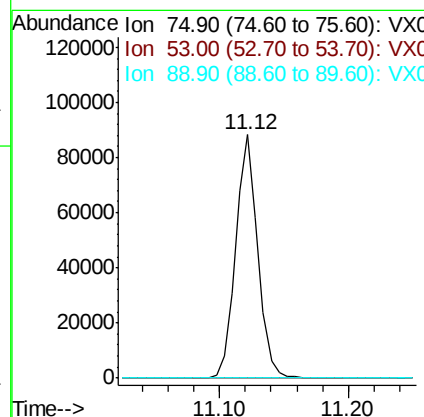
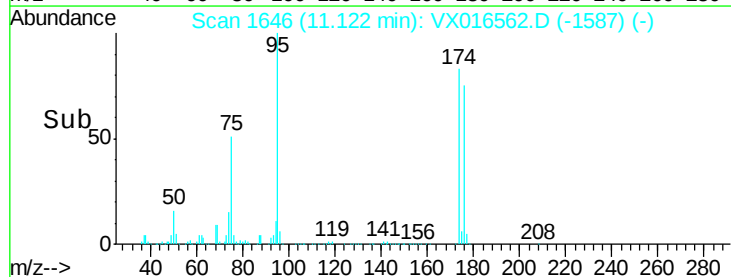
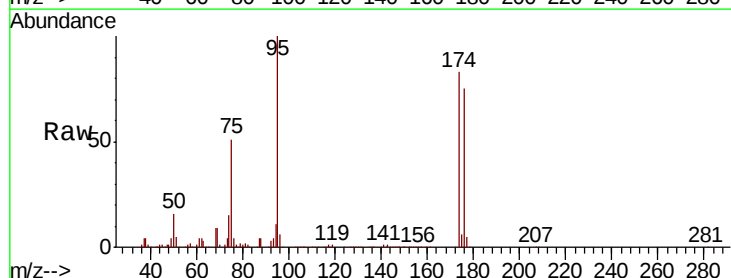
Instrument :
 MSVOA_X
 ClientSampleId :

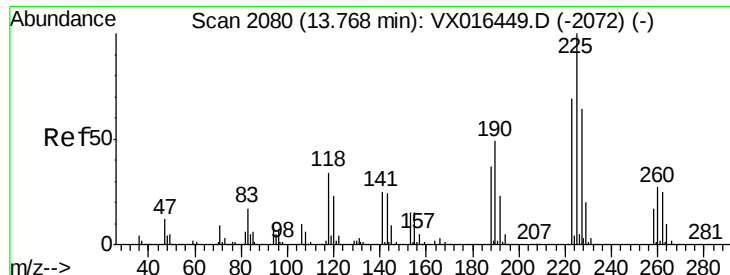
Tot Ion: 75 Resp: 105697
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.3 63.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.871 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016562.D
 Acq: 03 Jun 2020 12:56

Tgt Ion: 75 Resp: 105697
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 36.6 55.0#





#94

Hexachlorobutadiene

Concen: 0.203 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016562.D

Acq: 03 Jun 2020 12:56

Instrument :

MSVOA_X

ClientSampleId :

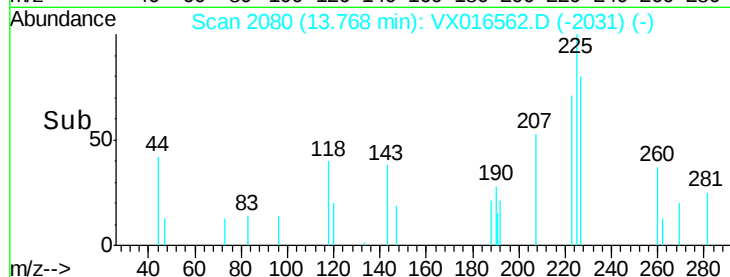
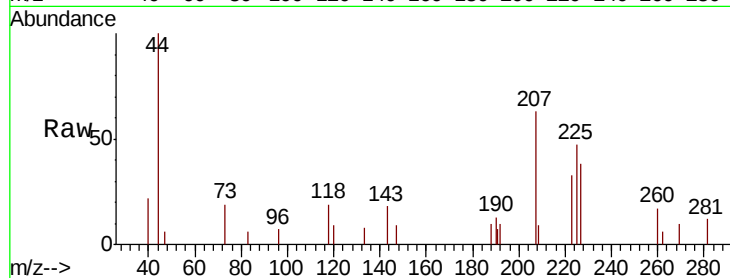
Tot Ion:225 Resp: 348

Ion Ratio Lower Upper

225 100

223 100.6 32.3 96.8#

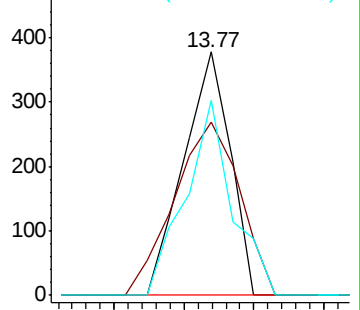
227 80.7 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->